



8115 Loop 540, Beasley, TX 77417
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Surfactant S-112

Water Recovery Surfactant (FlowBack Aid)

Use:
S-112 is a proprietary non-ionic, non-flammable surfactant for use in acidizing and fracturing treatments. It is designed to improve recovery of the injected stimulation fluids and enhance ultimate recovery of hydrocarbons.

S-112 effectively lowers interfacial tension between stimulation fluids and hydrocarbons. It lowers the capillary pressure and allows for greater penetration in to the formation face, therefore promoting the recovery of stimulation fluids, connate fluids and hydrocarbons.

S-112 is compatible with all known fracturing fluid additives and has been successfully used in West Texas, South Texas, East Texas and Oklahoma for the past few years. S-112 is also pumped with acid spearheads to lower the breakdown pressures and minimize the possibilities of forming acid/oil emulsions where a separate non-emulsifier is not used.

Physical & Chemical Properties:

Parameter	Specification
Appearance	Clear, Straw Yellow Liquid
Odor	Faint Organic
Density	8.4 lbs/ga
Pour Point	Less than 20 deg F
Flash Point	Greater than 175 deg F
Typical Surface Tension	Less than 30 dynes/cm ²
Typical Interfacial Tension	Less than 3 mN/m
Wetting Characteristic	Water Wetting

Compatibility:
S-112 is compatible with most acidizing and fracturing treatment additives and friction reducers. However, a compatibility test is advised before use.

Environment:
Not hazardous to the environment.

Typical Dosage:
Typically used at 1 to 2 GPT with stimulation fluids

Temperature Limitations:
Can be used across a wide temperature range, no lower temperature limitation on performance. Has been effectively used up to BHT of 350 F.

Packaging:
330 ga one way totes, 275 ga one way totes, 55 ga drums and bulk tank trucks

Availability:



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Pleasanton, TX; Beasley, TX and Midland, TX

DoT Classification:

Not Regulated